

IN THE CLAIMS

The following are Claims 1-27.

1. (currently amended) An interface device for connecting a camera that captures video images in the non-visible electromagnetic spectrum to a camcorder, the camcorder having a hot shoe, the camera having a connector, comprising:

a mechanical interconnect adapted to couple coupled to
the camera ~~and~~ to the camcorder and further adapted to provide
power to the camera via the hot shoe, whereby wherein a
portable video imaging system is formed.

2. (original) The interface device of claim 1, wherein
said mechanical interconnect comprises:

a baseplate to which the camera is secured; and

a mount extending from said baseplate, said mount
connectable to the hot shoe.

3. (original) The interface device of claim 2, wherein
said baseplate comprises a bottom surface; further comprising
an upper plate connected to and spaced apart from said bottom
surface of said baseplate.

4. (original) The interface device of claim 3, wherein
said upper plate comprises a rear flange extending

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substantially upward therefrom, said rear flange comprising a cutout therethrough.

5. (currently amended) The interface device of claim 4, further comprising a first connector attached to said rear flange, said first connector connectable to the connector on the camera.

6. (currently amended) The interface device of claim 5, further comprising a casing attached to said baseplate, said casing partially enclosing said first connector.

7. (original) The interface device of claim 3, further comprising a video cable extending between the camera and the camcorder.

8. (original) The interface device of claim 7, wherein said baseplate further comprises:

an outer wall;

an aperture in said outer wall; and

a curved passageway adjacent said aperture;

wherein said video cable extends through the space between the camera and said baseplate, through said curved passageway and through said aperture in said outer wall.

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9. (currently amended) The interface device of claim 3, wherein

said mount further comprises an upper platform
~~connected to said hot-shoe mount,~~

said baseplate further comprises an aperture
therethrough, and

said mount extends through said aperture to position
said upper platform between said bottom surface of said
baseplate and said upper plate, said upper platform trapped
therebetween to secure said mount to said baseplate.

10. (original) The interface device of claim 2, wherein
said baseplate comprises a bottom surface, further comprising
a plurality of posts extending upward from said bottom
surface.

11. (original) The interface device of claim 10, wherein
each said post comprises an aperture therethrough and the
camera includes apertures corresponding to said apertures in
said posts, further comprising a plurality of fasteners, each
fastener extending through one aperture and into the camera,
whereby the camera is secured to said baseplate.

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12. (original) The interface device of claim 10, wherein each said post comprises an aperture therethrough, further comprising:

an upper plate connected to and spaced apart from said bottom surface of said baseplate, said upper plate comprising apertures corresponding to said apertures in said ports; and

a plurality of fasteners, each fastener extending through one aperture and into the camera.

13. (currently amended) The interface device of claim 2, further comprising a power connection between said ~~hot shoe~~ mount and the camera.

14. (original) The interface device of claim 13, wherein said power connection comprises a wire contained entirely within the interface device.

15. (original) The interface device of claim 2, further comprising a control cable extending between the camera and the camcorder.

16. (original) The interface device of claim 15, wherein said control cable is contained entirely within the interface device.

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17. (original) The interface device of claim 1, wherein at least a portion of said mechanical interconnect is integral to the camera.

18. (currently amended) An interface device for connecting a camera that captures video images in the non-visible electromagnetic spectrum to a camcorder, the camcorder having a hot shoe, the camera having a connector, comprising:

a mount comprising a hot shoe mount connectable to the hot shoe;

a baseplate secured to said mount, said baseplate comprising

a bottom surface,

an outer wall, and

an aperture in said outer wall;

an upper plate connected to and spaced apart from said bottom surface of said baseplate, said upper plate comprising a rear flange extending therefrom, said rear flange comprising a cutout therethrough, wherein said camera is secured to said upper plate;

a first connector attached to said rear flange, said first connector connectable to the connector on the camera;

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a video cable extending from said first connector attached to said rear flange through the space between said upper plate and said bottom surface of said baseplate, and through said aperture in said outer wall; and

a power cable connecting said hot shoe mount to said first connector attached to said rear flange.

19. (currently amended) A system for recording video images in a set of wavelengths other than visible light wavelengths, comprising:

a camera that captures the video images in the non-visible electromagnetic spectrum;

a camcorder adapted to capture video images in the visible electromagnetic spectrum; and

an interface device that mechanically and electrically connects said camera to said camcorder such that the camcorder selectively records the video images in the visible or non-visible electromagnetic spectrum.

20. (original) The system of claim 19, wherein said camera captures video images in the infrared portion of the electromagnetic spectrum.

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21. (original) The system of claim 19, wherein said interface device further comprises a power connection between said camera and said camcorder.

22. (original) The system of claim 19, wherein said interface device further comprises a video data connection between said camera and said camcorder.

23. (original) The system of claim 19, wherein said interface device further comprises a control signal connection between said camera and said camcorder.

24. (currently amended) A method of manufacturing a system for recording video images in a set of wavelengths other than visible light wavelengths, comprising:

providing a camera that captures video images in the non-visible electromagnetic spectrum;

providing a camcorder; and

mechanically and electrically securing said camera to said camcorder, ~~whereby~~ wherein a portable video imaging system is formed, with the camcorder selectively recording the video images in the non-visible electromagnetic spectrum.

25. (original) The method of claim 24, further comprising connecting a power cable to said camera and to said camcorder,

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wherein said camera receives electric power from said camcorder.

26. (original) The method of claim 24, further comprising connecting a video cable to said camera and to said camcorder, wherein said camcorder receives video data from said camera.

27. (original) The method of claim 24, wherein said mechanically securing is performed with a plurality of fasteners.

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